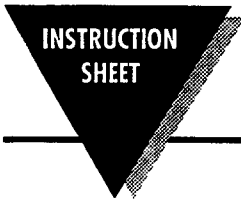
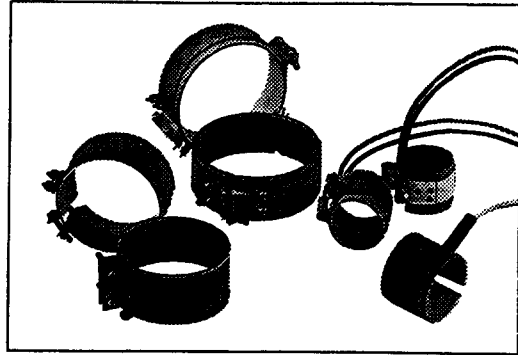




MBH Series Band Heaters

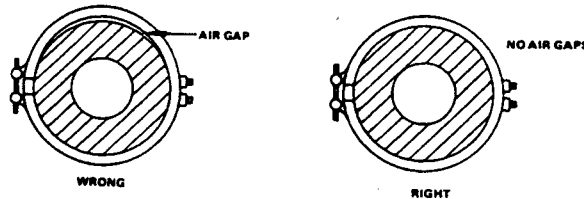


M2181/0395



Installation

Band heaters should be clamped securely to the object to be heated and mounted so that they are not tilted in assembly, but are placed squarely against the surface to be heated. Air gaps as a result of poor clamping result in poor heat transfer, excessive heat loss, and short heater life.



Band heaters should be clamped securely to the surface to be heated, run at operating temperature, and retightened to correct for the effects of expansion.

Each half of the two-piece band heaters are rated 120 Volts, and are wired in parallel for 120 Volt operation, or in series for 240 Volt operation. When heating objects to higher temperatures, lower watt density heaters should be used to prevent overheating and shortened heater life. Watt density is the total wattage of the heater divided by the heated surface area of the heater. Use the table below to select the maximum recommended watt density for the application.

| Maximum Operating Temperature | |
|-------------------------------|---|
| Operating Temperature* | Maximum Recommended Watts per Square Inch |
| 300°F (149°C) | 40 |
| 400°F (204°C) | 30 |
| 500°F (260°C) | 21 |
| 600°F (316°C) | 12 |
| 700°F (371°C) | 10 |
| 800°F (427°C) | 10 |
| 900°F (482°C) | 10 |

*Temperature of object being heated

Specifications

- Construction: Mica insulation, ribbon resistance element, rust resistant steel sheath
 - Width Tolerance: ±1/16" (1.6 mm)
 - Gap Dimensions:
 - 1 to 6" (25 to 152 mm) I.D: 5/16" (8 mm) nominal
 - 6 to 11½" (152 to 292 mm) I.D: 3/8" (10 mm) nominal
 - Thickness: 3/16" (5 mm nominal)
 - Wattage Tolerance: +5%, -10% at voltage specified
- Inside diameters are based on outside diameter of area being heated.



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WARRANTY

OMEGA warrants this unit to be free of defects in materials and workmanship and to give satisfactory service for a period of **13 months** from date of purchase. OMEGA Warranty adds an additional one (1) month grace period to the normal **one (1) year product warranty** to cover handling and shipping time. This ensures that OMEGA's customers receive maximum coverage on each product. If the unit should malfunction, it must be returned to the factory for evaluation. OMEGA's Customer Service Department will issue an Authorized Return (AR) number immediately upon phone or written request. Upon examination by OMEGA, if the unit is found to be defective it will be repaired or replaced at no charge. However, this WARRANTY is VOID if the unit shows evidence of having been tampered with or shows evidence of being damaged as a result of excessive corrosion; or current, heat, moisture or vibration; improper specification; misapplication; misuse or other operating conditions outside of OMEGA's control. Components which wear or which are damaged by misuse are not warranted. These include contact points, fuses, and triacs.

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SPECIAL CONDITION: Should this equipment be used in or with any nuclear installation or activity, purchaser will indemnify OMEGA and hold OMEGA harmless from any liability or damage whatsoever arising out of the use of the equipment in such a manner.

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Direct all warranty and repair requests/inquiries to the OMEGA ENGINEERING Customer Service Department. BEFORE RETURNING ANY PRODUCT(S) TO OMEGA, PURCHASER MUST OBTAIN AN AUTHORIZED RETURN (AR) NUMBER FROM OMEGA'S CUSTOMER SERVICE DEPARTMENT (IN ORDER TO AVOID PROCESSING DELAYS). The assigned AR number should then be marked on the outside of the return package and on any correspondence.

FOR **WARRANTY** RETURNS, please have the following information available BEFORE contacting OMEGA:

1. P.O. number under which the product was PURCHASED,
2. Model and serial number of the product under warranty, and
3. Repair instructions and/or specific problems relative to the product.

FOR **NON-WARRANTY** REPAIRS OR **CALIBRATION**, consult OMEGA for current repair/calibration charges. Have the following information available BEFORE contacting OMEGA:

1. P.O. number to cover the COST of the repair/calibration,
2. Model and serial number of product, and
3. Repair instructions and/or specific problems relative to the product.

OMEGA's policy is to make running changes, not model changes, whenever an improvement is possible. This affords our customers the latest in technology and engineering.

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